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INFORMATION REPORT

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COUNTRY USSR (Georgian SSR)

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SUBJECT Power Plant and Dam at Dviri

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SUPPLEMENT TO
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GT CIRCULATE

1. The stone turbine house of the power plant in Dviri (41°46' N/43°16' E), Georgian S.S.R., measured 50x20x15 meters and was equipped with three turbines of Swedish origin. The individual turbine blades were about 1 meter long, the turbine worm (Schnecke) was about 3 meters in diameter. The shaft from the turbine to the generator was 4 meters long and about 40 cm in diameter. Each of the three generators was about 2 meters high and 3 to 4 meters in diameter. One turbine with generator was put in operation on occasion of Stalin's 1949 birthday. The two other generators were still being assembled in December 1949 although the corresponding turbines were serviceable by then. According to Soviet workers, each of the turbines had a capacity of 16,000 (?).*
2. Adjacent to the power plant was an open-air transformer station measuring 70x20 meters and having eight large and ten small poles. The construction of the first lines was started in December 1949. A building with storage rooms and workshops, measuring 60x8 meters, was located between the transformer station and the river.
3. The reservoir dam was about 7 km upstream from Dviri and measured about 60x3x10 meters. Just before reaching the reservoir dam the canal branched off to the west. At this point there was a small dam of the same construction as the reservoir dam and measuring 12x5-6x6-3 meters. The small dam measuring 12x5-6x6-3 meters had two flood gates, 3x4-5 meters. Both dams were serviceable by December 1949.
4. The second P. reported that the main turbine and generator building measured about 36x17 meters. It had a three-story annex, 24x8 meters, with workshops, switching installations, offices and technical bureaus. The building had a flat roof.

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[redacted] 1949 the first and second turbines were being assembled and a third one was to be installed. From the construction status [redacted] source believed that the power plant would not be operating before mid-1950.

[redacted] Comment. Source definitely remembered the figure 16,000 although he was not sure about the unit of measure. Probably kva were meant.

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